

**DECLARATION AND POWER OF ATTORNEY
UNDER 35 USC §371(c)(4) FOR
PCT APPLICATION FOR UNITED STATES PATENT**

As a below named inventor, I hereby declare that:
my residence, post office address and citizenship are as stated below under my name;

I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought, namely the invention entitled: PHOTOMASK BLANK, PHOTOMASK, METHODS OF MANUFACTURING THE SAME AND METHOD OF FORMING MICROPATTERN described and claimed in international application number PCT/JP99/04124 filed July 30, 1999.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) filed within one year prior to my international application are hereby claimed:

Japanese Patent Application No. 10-217433 filed July 31, 1998

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United States of America either (a) more than one year prior to my international application, or (b) before the filing date of the above-named foreign priority application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,924;
Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411;
Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771;
Mario A. Costantino, Reg. No. 33,565; and Caroline D. Dennison, Reg. No. 34,494.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	<i>Typewritten Full Name of Sole or First Inventor</i>	<u>Masaru</u> <u>MITSUI</u>		
		<small>Given Name</small>	<small>Middle Initial</small>	<small>Family Name</small>
2	Inventor's Signature	<u>Masaru</u> <u>MITSUI</u>		
3	Date of Signature	<u>April</u> <u>11</u> <u>2000</u>		
		<small>Month</small>	<small>Day</small>	<small>Year</small>
	Residence:	<u>Tokyo</u> <u>Japan</u>		
		<small>City</small>	<small>State or Province</small>	<small>Country</small>
	Citizenship:	<u>Japan</u>		
	Post Office Address: (Insert complete mailing address, including country)	<u>C/O HOYA CORPORATION</u> <u>7-5, Nakaochiai, 2-chome, Shinjuku-ku, Tokyo 161-0032, Japan</u>		

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE ☒

(Discard this page in a sole inventor application)

1 **Typewritten Full Name of Joint Inventor**
Haruhiko YAMAGATA
Given Name Middle Initial Family Name

2 **Inventor's Signature:**
Haruhiko YAMAGATA

3 **Date of Signature:**
April 14 2000
Month Day Year

Residence: Tokyo Japan
City State or Province Country

Citizenship: Japan

Post Office Address: C/O HOYA CORPORATION
(Insert complete mailing address, including country) 7-5, Nakaochiai, 2-chome, Shinjuku-ku, Tokyo 161-0032, Japan

1 **Typewritten Full Name of Joint Inventor**
Masao USHIDA
Given Name Middle Initial Family Name

2 **Inventor's Signature:**
Masao Ushida

3 **Date of Signature:**
April 14 2000
Month Day Year

Residence: Tokyo Japan
City State or Province Country

Citizenship: Japan

Post Office Address: C/O HOYA CORPORATION
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1 **Typewritten Full Name of Joint Inventor**
Given Name Middle Initial Family Name

2 **Inventor's Signature:**

3 **Date of Signature:**
Month Day Year

Residence:
City State or Province Country

Citizenship:

Post Office Address:
(Insert complete mailing address, including country)

1 **Typewritten Full Name of Joint Inventor**
Given Name Middle Initial Family Name

2 **Inventor's Signature:**

3 **Date of Signature:**
Month Day Year

Residence:
City State or Province Country

Citizenship:

Post Office Address:
(Insert complete mailing address, including country)

Note to Inventor: Please sign name on line 2 exactly as it appears in line 1 and insert the actual date of signing on line 3.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney of the application to which it pertains.

Director of the U.S. Patent
and Trademark Office
Box Assignments
Washington, D.C. 20231

RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No. 105875

To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. A. Name of conveying parties:
Masaru MITSUI
Haruhiko YAMAGATA
Masao USHIDA

B. Additional name(s) of conveying party(ies) attached?
☐ Yes ☒ No

2. A. Name and address of receiving party:
HOYA CORPORATION
7-5, NAKAOCHIAI, 2-CHOME, SHINJUKU-KU,
TOKYO 161-0032, JAPAN

B. Additional name(s) & address(es) attached?
☐ Yes ☒ No

3. A. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

B. Execution Date: April 11 and 14, 2000

4. A. If this document is being filed together with a new application, the execution date of the application is: _____

B. Patent Application No.(s) 09/509,472

C. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00

B. Enclosed (Check No. 107968)

8. Credit any overpayment or charge any underpayment to
deposit account number 15-0461.

04/26/2000 04:58:11 PM 00000043-03588472

02 FC:581

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Oliff Registration No. 27,075
Joel S. Armstrong Registration No. 36,430

Date: April 21, 2000

Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Masaru MITSUI (5) _____
 (2) Haruhiko YAMAGATA (6) _____
 (3) Masao USHIDA (7) _____
 (4) _____ (8) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, said undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee
 (10) Insert Address of Assignee

(9) HOYA CORPORATION
 (10) 7-5, Nakaochiai, 2-chome, Shinjuku-ku, Tokyo 161-0032, Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number

(11) PHOTOMASK BLANK, PHOTOMASK, METHODS OF MANUFACTURING THE SAME AND METHOD OF FORMING MICROPATTERN

(Attorney Docket No. 105875)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application

(12) on April 11, and 14, 2000

(13) Alternative Identification for filed applications

(13) U.S. application Serial Number 09/509,472
 filed March 30, 2000

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLUFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>April 11, 2000</u>	Inventor Signature	<u>Masaru MITSUI</u>	(SEAL)
Date	<u>April 14, 2000</u>	Inventor Signature	<u>Haruhiko YAMAGATA</u>	(SEAL)
Date	<u>April 14, 2000</u>	Inventor Signature	<u>Masao Ushida</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____